

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : James G. Droppo et al.

Filed : HEREWITH

For : METHOD AND APPARATUS FOR
IDENTIFYING NOISE
ENVIRONMENTS FROM NOISY
SIGNALS

Docket No.: M61.12-0356

Group Art Unit:
Examiner:

jc971 U.S. PTO
09/965239
09/27/01

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231
Sir:

Express Mail No. EL844350157US
Date of Deposit: September 27, 2001

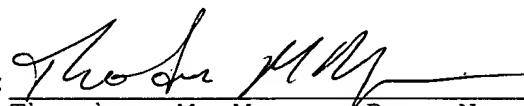
The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By:


Theodore M. Magee, Reg. No. 39,758
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

TMM:ajm

FORM PTO-1449		Atty. Docket No.: M61.12-0356	Appl. No.:
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		First Named Inventor:	
		James G. Droppo et al.	
		Filing Date	Group Art
		HEREWITH	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	5,604,839	02/18/97	Acero et al.	395	2.43	
AB	09/688,764	10/16/00	Li Deng	704	233	
AC	09/688,950	10/16/00	Li Deng	704	228	
AD						
AE						
AF						
AG						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AH						
AI						
AJ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Anastasakos, T., et al., "A Compact Model for Speaker-Adaptive Training," BBN Systems and Technologies, pages 1137-1140 (undated).
AL	Boll, S. F., "Suppression of Acoustic Noise in Speech Using Spectral Subtraction," IEEE Transactions on Acoustics, Speech and Signal Processing, Vol. ASSP-27, No. 2, pages 113-120 (April 1979).
AM	Lockwood, P. et al., "Experiments With a Nonlinear Spectral Subtractor (NSS), Hidden Markov Models and the Projection, for Robust Speech Recognition in Cars," Speech Communication 11, pages 215-228 (1992).
AN	Boll, S.F., "A Spectral Subtraction Algorithm for Suppression of Acoustic Noise in Speech," IEEE International Conference on Acoustics, Speech & Signal Processing, pages 200-203 (April 2-4, 1979).
AO	Berouti, M. et al., "Enhancement of Speech Corrupted by Acoustic Noise," IEEE International Conference on Acoustics, Speech & Signal Processing, pages 208-211 (April 2-4, 1979).

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	Atty. Docket No.: M61.12-0356	Appl. No.:
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	James G. Droppo et al.	
	Filing Date	Group Art:
	HEREWITH	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						
AB						
AC						
AD						
AE						
AF						
AG						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AH						
AI						
AJ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Acero, A., "Acoustical and Environmental Robustness in Automatic Speech Recognition," Department of Electrical and Computer Engineering, Carnegie Mellon University, pages 1-141 (September 13, 1990).
AL	Moreno, P., "Speech Recognition in Noisy Environments," Department of Electrical and Computer Engineering, Carnegie Mellon University, pages 1-130 (April 22, 1996).
AM	
AN	
AO	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.